



**CHOATE, HALL & STEWART**

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

EXCHANGE PLACE

53 STATE STREET

BOSTON, MASSACHUSETTS 02109-2891

TELEPHONE (617) 248-5000

FACSIMILE (617) 248-4000



Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Express Mail No.:** EV196635218US  
**Attorney Docket No.:** 2005291-0001  
**Date Filed:** February 6, 2004  
**Customer Number:** 24280

**UTILITY PATENT APPLICATION TRANSMITTAL**

(for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Dear Sir:

Please find enclosed a patent application and papers as follows for:

**Inventor(s):**

**Given Name (first and middle)**

**Family Name or Surname**

**Residence (City and State or Foreign Country)**

**Han-Chin**

**Lai**

**Taichung, Taiwan**

**Title of the Invention:** **Sealing Mechanism for Diaphragm Tank**

**A) APPLICATION ELEMENTS:**

- 1) ☐ **Fee Transmittal Form** (original and duplicate submitted for fee processing)
- 2) ☐ **Applicant Claims Small Entity Status** (see 37 C.F.R. § 1.27)
  - a) ☐ **Statement Verifying Small Entity Status** (optional)

- 3) ☒ **Specification** TOTAL PAGES: 10  
☒ Descriptive Title of the Invention  
☐ Cross References to Related Applications (if applicable)  
☐ Statement Regarding Federally Sponsored R & D (if applicable)  
☐ Reference to sequence listing, a table, or a computer program listing appendix  
☒ Background of the Invention  
☒ Summary of the Invention  
☒ Description of the Drawing (if filed)  
☒ Detailed Description of the Invention  
☒ Claim(s)  
☒ Abstract of the Invention
- 4) ☒ **Drawing(s)** (35 U.S.C. § 113) TOTAL SHEETS: 3  
a) ☐ Formal Drawings (if checked)
- 5) ☐ **Oath or Declaration** TOTAL PAGES: \_\_\_\_\_  
a) ☐ Newly Executed (original or copy)  
b) ☐ Copy from a prior application (37 C.F.R. § 1.63(d))-for continuation/divisional application  
i) ☐ Deletion of inventor(s): Signed Statement deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).  
c) ☐ Unexecuted
- 6) ☐ **Application Data Sheet**. See 37 C.F.R. § 1.76.
- 7) ☐ **CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)**
- 8) ☐ **Nucleotide and/or Amino Acid Sequence Submission** (if applicable, all are necessary)  
a) ☐ Computer Readable Form (CRF)  
b) ☐ Specification Sequence Listing on:  
i) ☐ CD-ROM or CD-R (2 copies); or  
ii) ☐ Paper  
c) ☐ Statements verifying identity of above copies

B) ACCOMPANYING APPLICATION PARTS:

- 9) ☐ **Assignment Papers** (cover sheet & document(s))
- 10) ☐ **37 C.F.R. § 3.73(b) Statement** (when there is an assignee)
- 11) ☐ **Power of Attorney**
- 12) ☐ **English Translation Document** (if applicable)
- 13) ☐ **Information Disclosure Statement (IDS)/PTO-1449**
- 14) ☐ **Copies of IDS Citations**
- 15) ☐ **Preliminary Amendment**
- 16) ☒ **Return Receipt Postcard (MPEP 503)** (specifically itemized)
- 17) ☐ **Certified Copy of Priority Document(s)** (if foreign priority is claimed)
- 18) ☐ **Nonpublication Request under 35 U.S.C. § 122(b)(2)(B)(i)**
- 19) ☐ **OTHER:** (if applicable, specified below)

C) FOR CONTINUING APPLICATIONS: (the appropriate box is checked, and certain information is provided below and in a preliminary amendment)

☐ continuation                      ☐ divisional                      ☐ continuation-in-part (CIP)

of prior application no.: \_\_\_\_\_

filed: \_\_\_\_\_

examiner: \_\_\_\_\_

group/art unit: \_\_\_\_\_

**for continuation or divisional applications only:** The entire disclosure of the prior application, from which an oath or declaration is supplied as detailed above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

D.) PRIORITY CLAIM(S):

This application claims the benefit under 35 U.S.C. § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below:

<u>Application Serial No.</u>	<u>Filing date</u>	<u>Status (patented, pending, abandoned)</u>
-------------------------------	--------------------	--

This application claims the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

<u>Application Serial No.</u>	<u>Filing date</u>	<u>Status (pending, expired, abandoned)</u>
-------------------------------	--------------------	---

E) METHOD OF PAYMENT OF FILING FEES FOR THIS APPLICATION:

- ☐ Applicant claims small entity status 37 C.F.R. § 1.27.
- ☒ A check for 856.00 is enclosed to cover the filing fees.
- ☒ The commissioner is hereby authorized to charge filing fees or to credit any overpayment to deposit account number 03-1721.

Basic Filing Fee (Large Entity)	\$770.00
Additional Fees:	
Total Number of Claims in excess of 20: (6- 20) x \$18	\$0.00
Number of Independent Claims in excess of 3:(4- 3) x \$86	\$86.00
Multiple Dependent Claims \$290:	<u>\$0.00</u>
Total Filing Fee:	\$856.00

Express Mail No.: **EV196635218US**  
Attorney Docket: **2005291-0001**  
Date Filed: **February 6, 2004**  
Customer Number: **24280**

F) CORRESPONDENCE ADDRESS:

☐ Customer Number: **24280**

☒ Correspondence Address:

Patent Department  
Choate, Hall & Stewart  
53 State Street  
Exchange Place  
Boston, MA 02109  
phone: (617) 248-5000  
fax: (617) 248-4000

Respectfully Submitted,



Valarie B. Rosen

Registration No. 45,698

CHOATE, HALL & STEWART  
53 State Street  
Exchange Place  
Boston, MA 02109  
Phone: (617) 248-5000  
Fax: (617) 248-4000

Express Mail No.: **EV196635218US**  
Attorney Docket: **2005291-0001**  
Date Filed: **February 6, 2004**  
Customer Number: **24280**